

Title (en)  
INTEGRATED METALLIZATION FOR DISPLAYS

Title (de)  
INTEGRIERTER METALLISIEREN FÜR EINE ANZEIGE

Title (fr)  
METALLISATION INTEGREE POUR DISPOSITIFS D'AFFICHAGE

Publication  
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Application  
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• US 84638697 A 19970430

Abstract (en)  
[origin: WO9849705A1] A flat-panel display (100) including a substrate (102), a viewing screen (104), a non-conductive ring (106), many row conductive electrodes (120), conductive pads (122) and column buses (130). The ring vacuum-seals a cavity (108) between the substrate and the viewing screen. Coupled to one surface of the substrate, the row conductive electrodes have a conductivity that is higher than the conductive pads. Each pad is connected to one row electrode, and each pad extends through the ring to allow electrical coupling to its corresponding row electrode from outside the cavity while vacuum is maintained inside the cavity. The row electrodes are substantially parallel to each other, and are substantially perpendicular to the column buses. The conductive electrodes are protected from exposure to the ring. In one embodiment, the ring is a frit seal (106), the row conductive electrodes are made of aluminum, and the column buses and the pads are made of chromium.

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